

# **MULTIPLE CHANNEL, MICROSTRIP TRANSCEIVER VOLUME ARRAY FOR MAGNETIC RESONANCE IMAGING**

## **Abstract of Disclosure**

A multiple channel array coil for magnetic resonance imaging (MRI) is disclosed. In an exemplary embodiment, the array coil includes a plurality of conductive strips formed within a dielectric medium. The conductive strips are further arranged into a generally cylindrical configuration, with each of the strips having a length (  $L$  ), selected to cause each of the strips to serve as a resonator at a frequency corresponding to a proton MRI frequency. Thereby, the generally cylindrical configuration of conductive strips forms a multiple channel, volume resonator in which each of the strips is isolated from the remaining strips.

## Figures

Figure 1: A line graph showing the relationship between the number of hours spent studying and the score on a test. The x-axis represents the number of hours (0 to 10), and the y-axis represents the score (0 to 100). The data points are as follows:

Hours	Score
0	0
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100